

feeding devices, each having a yarn stopping accessory device. Furthermore, a further accessory device in the form of a so-called winding count sensor (not shown) is arranged at each yarn feeding device which sensor counts during each insertion a withdrawn yarn winding and generates at least one signal then. A magnet is arranged within the yarn stopping accessory device for lifting a not shown yarn stopping pin out of the yarn path. The stopping pin can be returned from the lifted position again into the lowered position by spring load or by the magnet, respectively. In the lowered position of the yarn stopping pin the yarn withdrawal is interrupted. In the lifted position of the yarn stopping pin the yarn windings are withdrawn one by one by the air jet weaving machine.

An insertion in the yarn channel occupied by the yarn feeding device F3 is controlled and monitored as follows:

1. The air jet weaving machine sends a message via the field bus FB (e.g. a CAN-bus) which associates the function for a trig signal to the event line EL. This means that the subsequent event signal will be a trig signal for a certain event, namely for lifting the yarn stopping pin in the yarn feeding device F3.
2. In the next moment the next sent e.g. CAN-message defines the yarn feeding device F3 in the yarn processing system. The message gives the order that the magnet has to lift the yarn stopping pin x milliseconds after the occurrence of the subsequent event signal in the event line. Consequently, this event signal will be the trig signal according to 1.
3. As soon as the event signal is transmitted via the event line EL, the event or the function according to 2. will be carried out, as soon as x milliseconds have expired.
4. The next e.g. CAN-message associates winding counting pulses from the yarn feeding device F3 to the event line EL. During withdrawal of the yarn the winding count accessory device generates yarn winding pulses which are sent by the yarn feeding device F3 into the event line EL. These yarn winding pulses are monitored and registered by the main control MCU of the air jet weaving machine.